



LEAVERS FROM SCHOOLS, UNIVERSITIES OR OTHER EDUCATIONAL INSTITUTIONS MAY 1980

INQUIRIES

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MAIN FEATURES

Note : Survey estimates are subject to sampling variability, as explained in paragraph 8 below.

- Over one third (34.0 per cent) of all civilians aged 15 to 25 years in May 1980 had attended an educational institution full time in 1979.
- Of these, 31.8 per cent did not return to full-time education in 1980.
- 95.4 per cent of these leavers were in the labour force in May 1980. Of those in the labour force four out of five (80.5 per cent) were employed — nearly all full time — and one in five (19.5 per cent) was unemployed.
- Over one fifth (22.2 per cent) of persons who left secondary school in 1979 studied full time at a post-school educational institution in 1980.

EXPLANATORY NOTES

Introduction

In May 1980 a survey, based on the monthly population survey, was conducted throughout Australia in order to obtain information about persons aged 15 to 25 years who had attended full time at a school, university or other educational institution at some time during 1979. Separate information was obtained in respect of persons who had returned to full-time education in 1980 and those who had not returned to full-time education (described in this publication as *leavers*). Similar surveys were conducted in February of each year from 1964 to 1974, in May 1975, 1976 and 1979 and in August 1977 and 1978. Results from some earlier surveys are shown in Table 11. However, see paragraphs 6 and 7 regarding the comparability of results.

2. The survey was based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.) and covered about two-thirds of one per cent of the population of Australia. The information was obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers, the interviews being conducted during the two weeks beginning on Monday, 12 May, 1980.

Scope

3. The survey included all persons aged fifteen to twenty five years except :

- (a) members of the permanent defence forces
- (b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations
- (c) overseas visitors holidaying in Australia
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia, and
- (e) some patients in hospitals and sanatoria, or inmates of gaols, reformatories, etc. and persons reported as permanently unable to work. Estimates of the numbers of such persons are shown in Tables 1 and 11.

Definitions

4. The labour force category to which a person was assigned depended on his *actual activity* (i.e. whether working, looking for work, etc.) during a specified week known as *the survey week*, which was the week immediately preceding that in which the interview took place. Definitions of the principal categories appearing in this publication are given in *The Labour Force, Australia* (6203.0).

5. For this survey, *leavers from schools, universities or other educational institutions* were defined as persons who, at the time of the survey, were not attending an educational institution full time and who had completed or withdrawn from a course they were attending full time at an educational institution in 1979. *Non-leavers* were defined as persons who were attending an educational institution full time and who had done so in 1979.

Comparability of series

6. Because the August 1978 and subsequent survey estimates are based on revised population estimates derived from the results of the 1976 Population Census (adjusted for underenumeration) and a new population survey questionnaire, care should be used in comparing estimates with those shown in previous issues of this publication and estimates from earlier surveys shown in Table 11.

7. Other factors affecting comparability are :

- (i) as the surveys cover persons aged 15 to 25 years (15 to 24 years before the 1977 survey), estimates of the number of students are affected by the timing of the surveys. For example, the estimate from a May survey would be higher than that from a February survey because most persons reaching 15 years of age between February and May would be students in May, whereas most reaching 26 in the same period would not, and only a few students would leave in that period.
- (ii) the scope of surveys prior to 1977 was restricted to persons aged 15 to 24 years.
- (iii) for the August surveys the definition of *non-leavers* was changed to include all persons who had attended an educational institution full time at some time in the current year and not only those who were attending full time at the time of the survey.
- (iv) before 1975, surveys were conducted in February, i.e. generally before the start of the academic year for tertiary courses, and information was, of necessity, partly a reflection of expectations.
- (v) for surveys conducted in 1971 and earlier years trainee teachers (enrolled at Colleges of Advanced Education and in some cases also at other institutions) were classified as "in the labour force" but for later years have been included in the category "attended an educational institution full time in the previous year". It is estimated that in August 1971 there were about 7,000 males and 17,000 females who were reclassified in population surveys as not in the labour force.

Reliability of the estimates

8. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that

is, they may differ by chance from the figures that would have been produced if the information had been obtained from occupants of all dwellings. An indication of the likely differences is given in the Technical Note, page 10. See also paragraph 7 of the Technical Note regarding non-sampling errors.

Related publications

9. Other ABS publications which may be of interest include :

- . *The Labour Force, Australia* (6203.0)
- . *Labour Force Experience, Australia* (6206.0)
- . *Persons not in the Labour Force, Australia* (6220.0)
- . *Persons Looking for Work, Australia* (6222.0)
- . *Persons aged 15 to 64 years : Employment Status and Period Since Leaving School* (6225.0)
- . *School Leavers, 1970 to 1974 : Their Employment Status and Education Experience in May 1975* (6226.0)
- . *Employment Status of Teenagers* (6234.0)

Current publications produced by the ABS are listed in *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

Symbols and other usages

- * Subject to sampling variability too high for most practical uses. See paragraph 8 above.
- n.a. Not available.
- .. Not applicable.
- C.A.E. College of Advanced Education.
- T.A.F.E. College of Technical and Further Education.

Because figures have been rounded, discrepancies may occur between sums of the component items and totals.

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Australian Statistician

TABLE 1. PERSONS AGED 15 TO 25 YEARS IN MAY 1980 : FULL-TIME ATTENDANCE OR NON-ATTENDANCE AT AN EDUCATIONAL INSTITUTION IN 1979 AND 1980

EDUCATIONAL INSTITUTION IN 1979 AND 1980							
Educational institution attended full time in 1979	Attended full time in 1979 : status in May 1980 (a)				Did not attend full time in 1979 (a) ('000)	In hospitals, etc. (b) ('000)	Total aged 15 to 25 years ('000)
	Leavers ('000)	Non-leavers		Total ('000)			
		Number ('000)	Per cent of total				
MALES							
School	108.1	254.3	70.2	362.4	..	n.a.	362.4
University	19.2	42.8	69.0	62.0	..	n.a.	62.0
C.A.E.	8.3	17.2	67.4	25.5	..	n.a.	25.5
T.A.F.E.	17.1	10.0	36.9	27.1	..	n.a.	27.1
Other	*	*	*	*	..	n.a.	*
Total	155.9	324.7	67.6	480.6	894.1	8.2	1,382.9
FEMALES							
School	85.0	252.7	74.8	337.7	..	n.a.	337.7
University	11.4	25.5	69.2	36.8	..	n.a.	36.8
C.A.E.	13.9	21.5	60.8	35.4	..	n.a.	35.4
T.A.F.E.	16.8	6.9	29.0	23.7	..	n.a.	23.7
Other	12.9	*	*	15.1	..	n.a.	15.1
Total	139.9	308.8	68.8	448.7	896.5	*	1,348.2
PERSONS							
School	193.1	507.0	72.4	700.0	..	n.a.	700.0
University	30.6	68.3	69.1	98.9	..	n.a.	98.9
C.A.E.	22.2	38.7	63.6	60.8	..	n.a.	60.8
T.A.F.E.	33.9	16.9	33.2	50.8	..	n.a.	50.8
Other	16.1	*	*	18.7	..	n.a.	18.7
Total	295.8	633.5	68.2	929.3	1,790.6	11.2	2,731.1

(a) Excludes some patients in hospitals and sanatoria and some inmates of gaols, reformatories, etc. at the time of the survey, and persons permanently unable to work, who were not asked the survey questions. (b) Estimated numbers of persons for whom the hospital, sanatorium, gaol, reformatory, etc. was regarded as their dwelling and persons who were reported as permanently unable to work. Particulars of attendance at schools, etc. were not obtained in respect of such persons.

TABLE 2. PERSONS AGED 15 TO 25 YEARS IN MAY 1980 (a) : TYPE OF EDUCATIONAL INSTITUTION ATTENDED FULL TIME IN 1979, AGE AND BIRTHPLACE ('000)

	Males			Females			Persons		
	Aged 15 to 19 years	Aged 20 to 25 years	Total	Aged 15 to 19 years	Aged 20 to 25 years	Total	Aged 15 to 19 years	Aged 20 to 25 years	Total
BORN IN AUSTRALIA									
Attended full time in 1979	340.3	59.3	399.6	332.0	49.2	381.2	672.3	108.5	780.8
School	303.9	*	304.1	286.6	*	287.3	590.5	*	591.4
University	12.0	36.0	48.0	8.4	20.8	29.2	20.4	56.8	77.2
C.A.E.	5.6	15.6	21.2	10.8	20.1	30.9	16.4	35.7	52.1
T.A.F.E.	17.2	6.1	23.3	17.2	*	20.7	34.4	9.6	44.0
Other	*	*	*	9.0	*	13.1	10.5	5.6	16.1
Did not attend full time in 1979	210.6	536.2	746.8	206.3	546.6	752.8	416.8	1,082.8	1,499.6
Total	550.8	595.5	1,146.3	538.3	595.7	1,134.0	1,089.1	1,191.2	2,280.4
BORN OUTSIDE AUSTRALIA									
Attended full time in 1979	63.7	17.4	81.1	56.2	11.2	67.5	119.9	28.7	148.5
School	57.3	*	58.2	49.7	*	50.4	107.0	*	108.6
University	*	11.0	14.1	*	5.2	7.6	5.5	16.2	21.7
C.A.E.	*	*	*	*	*	4.5	*	6.8	8.8
Other (including T.A.F.E.)	*	*	4.5	*	*	4.9	5.5	*	9.4
Did not attend full time in 1979	35.4	112.0	147.4	30.3	113.4	143.7	65.6	225.4	291.0
Total	99.0	129.4	228.4	86.5	124.6	211.1	185.5	254.0	439.5
TOTAL									
Attended full time in 1979	403.9	76.7	480.6	388.3	60.4	448.7	792.2	137.1	929.3
School	361.2	*	362.4	336.3	*	337.7	697.5	*	700.0
University	15.1	46.9	62.0	10.8	26.0	36.8	25.9	73.0	98.9
C.A.E.	6.6	18.8	25.5	11.7	23.7	35.4	18.3	42.5	60.8
T.A.F.E.	19.2	7.9	27.1	19.5	*	23.7	38.7	12.1	50.8
Other	*	*	*	10.0	5.1	15.1	11.8	6.9	18.7
Did not attend full time in 1979	245.9	648.2	894.1	236.5	660.0	896.5	482.5	1,308.1	1,790.6
Total	649.9	724.9	1,374.7	624.8	720.4	1,345.2	1,274.7	1,445.3	2,719.9

(a) Excludes institutionalised persons and persons permanently unable to work.

TABLE 3. PERSONS AGED 15 TO 25 YEARS IN MAY 1980 (a): INSTITUTION ATTENDED IN 1979, WHETHER ATTENDED FULL TIME OR PART TIME AND WHETHER ATTENDING THE SAME INSTITUTION IN MAY 1980 ('000)

Attending an educational institution in 1980								
	Same institution as in 1979			Total			Not attending an educational institution in 1980	Total
	Full time	Part time	Total	Full time	Part time	Total		
MALES								
Institution attended in 1979								
School	228.7	*	231.4	254.5	32.1	286.7	81.8	368.5
University	42.9	11.7	54.6	44.2	13.3	57.5	18.0	75.6
Full time	41.5	*	45.7	42.8	5.9	48.7	13.4	62.0
Part time	*	7.5	8.9	*	7.5	8.9	4.6	13.5
C.A.E.	17.5	17.5	35.0	17.6	18.4	36.0	13.3	49.3
Full time	17.1	*	19.3	17.2	*	19.8	5.6	25.5
Part time	*	15.2	15.7	*	15.8	16.2	7.7	23.9
T.A.F.E.	9.0	78.7	87.7	10.9	80.4	91.3	66.8	158.1
Full time	8.3	5.4	13.7	10.0	6.1	16.1	11.0	27.1
Part time	*	73.3	74.0	*	74.3	75.2	55.8	131.0
Other	*	5.9	6.3	*	6.4	7.6	9.9	17.5
Full time	*	*	*	*	*	*	*	*
Part time	*	5.0	5.0	*	5.5	6.3	7.5	13.8
Total	298.6	116.4	415.0	328.5	150.7	479.2	189.8	669.0
Full time	296.1	13.3	309.4	324.7	45.2	369.9	110.7	480.6
Part time	*	103.1	105.7	*	105.5	109.3	79.1	188.4
Did not attend an educational institution in 1979	..	..	..	8.2	31.7	39.9	665.9	705.7
Total	298.6	116.4	415.0	336.6	182.4	519.0	855.7	1,374.7
FEMALES								
Institution attended in 1979								
School	223.4	*	225.0	252.7	12.6	265.3	76.3	341.6
University	25.2	6.0	31.2	26.2	7.0	33.2	12.3	45.6
Full time	24.5	*	25.9	25.5	*	27.6	9.2	36.8
Part time	*	4.6	5.4	*	4.9	5.6	*	8.7
C.A.E.	20.6	6.9	27.5	21.7	8.4	30.2	14.1	44.3
Full time	20.4	*	22.6	21.5	*	25.0	10.4	35.4
Part time	*	4.6	4.9	*	4.9	5.2	*	9.0
T.A.F.E.	6.7	15.5	22.2	7.3	16.5	23.8	42.6	66.3
Full time	6.5	*	8.1	6.9	*	8.7	15.0	23.7
Part time	*	13.9	14.1	*	14.7	15.1	27.5	42.6
Other	*	4.7	6.7	*	6.0	8.3	22.6	30.9
Full time	*	*	*	*	*	*	11.4	15.1
Part time	*	*	*	*	4.5	4.6	11.2	15.8
Total	277.9	34.8	312.6	310.2	50.5	360.7	167.9	528.7
Full time	276.7	6.9	283.6	30.8	20.6	329.3	119.3	448.7
Part time	*	27.8	29.0	*	29.9	31.4	48.6	80.0
Did not attend an educational institution in 1979	..	..	..	7.9	30.5	38.5	778.0	816.5
Total	277.9	34.8	312.6	318.2	81.0	399.2	945.9	1,345.2
PERSONS								
Institution attended in 1979								
School	452.0	*	456.4	507.2	44.8	552.0	158.1	710.1
University	68.1	17.7	85.8	70.5	20.3	90.8	30.4	121.1
Full time	66.0	5.6	71.6	68.3	8.0	76.3	22.6	98.9
Part time	*	12.1	14.3	*	12.4	14.5	7.7	22.3
C.A.E.	38.1	24.3	62.5	39.3	26.9	66.2	27.5	93.7
Full time	37.5	4.5	41.9	38.7	6.1	44.8	16.0	60.8
Part time	*	19.9	20.6	*	20.7	21.4	11.4	32.8
T.A.F.E.	15.7	94.3	110.0	18.2	96.9	115.0	109.4	224.4
Full time	14.8	7.1	21.9	16.9	7.9	24.8	26.0	50.8
Part time	*	87.2	88.1	*	88.9	90.2	83.4	173.6
Other	*	10.5	13.0	*	12.4	15.9	32.5	48.4
Full time	*	*	*	*	*	5.0	13.7	18.7
Part time	*	8.9	8.9	*	10.0	10.9	18.7	29.6
Total	576.5	151.2	727.6	638.7	201.2	839.9	357.8	1,197.7
Full time	572.7	20.2	593.0	633.5	65.7	699.2	230.1	929.3
Part time	*	130.9	134.6	5.2	135.5	140.7	127.7	268.4
Did not attend an educational institution in 1979	..	..	..	16.1	62.2	78.3	1,443.9	1,522.2
Total	576.5	151.2	727.6	654.8	263.4	918.2	1,801.6	2,719.9

(a) Excludes institutionalised persons and persons permanently unable to work.

TABLE 4. PERSONS AGED 15 TO 25 YEARS IN MAY 1980 (a) : ATTENDANCE AT AN EDUCATIONAL INSTITUTION IN 1979 AND 1980 ('000)

	Attending full time in 1980						Attending part time in 1980	Not attending in 1980	Total
	School	University	C.A.E.	T.A.F.E.	Other	Total			
MALES									
Attended full time in 1979 –									
School	228.7	11.9	4.9	8.2	*	254.3	29.7	78.4	362.4
University	*	41.5	*	*	*	42.8	5.9	13.4	62.0
C.A.E.	*	*	17.1	*	*	17.2	*	5.6	25.5
T.A.F.E.	*	*	*	8.3	*	10.0	6.1	11.0	27.1
Other	*	*	*	*	*	*	*	*	*
Total	229.0	53.9	23.9	16.9	*	324.7	45.2	110.7	480.6
Attended part time in 1979	*	*	*	*	*	*	105.5	79.1	188.4
Did not attend in 1979	*	*	4.6		*	8.2	31.7	665.9	705.7
Total	229.0	57.8	26.9	20.2	*	336.6	182.4	855.7	1,374.7
FEMALES									
Attended full time in 1979 –									
School	223.4	7.7	7.4	9.8	*	252.7	11.7	73.3	337.7
University	*	24.5	*	*	*	25.5	*	9.2	36.8
C.A.E.	*	*	20.4	*	*	21.5	*	10.4	35.4
T.A.F.E.	*	*	*	6.5	*	6.9	*	15.0	23.7
Other	*	*	*	*	*	*	*	11.4	15.1
Total	223.4	33.1	29.1	16.6	6.6	308.8	20.6	119.3	448.7
Attended part time in 1979	*	*	*	*	*	*	29.9	48.6	80.0
Did not attend in 1979	*	*	4.7		*	7.9	30.5	778.0	816.5
Total	223.6	36.1	30.7	20.2	7.6	318.2	81.0	945.9	1,345.2
PERSONS									
Attended full time in 1979 –									
School	452.0	19.7	12.3	18.0	5.0	507.0	41.4	151.7	700.0
University	*	66.0	*	*	*	68.3	8.0	22.6	98.9
C.A.E.	*	*	37.5	*	*	38.7	6.1	16.0	60.8
T.A.F.E.	*	*	*	14.8	*	16.9	7.9	26.0	50.8
Other	*	*	*	*	*	*	*	13.7	18.7
Total	452.4	87.0	53.0	33.4	7.7	633.5	65.7	230.1	929.3
Attended part time in 1979	*	*	*	*	*	5.2	135.5	127.7	268.4
Did not attend in 1979	*		7.8	5.7	*	16.1	62.2	1,443.9	1,522.2
Total	452.6	93.9	57.6	40.3	10.3	654.8	263.4	1,801.6	2,719.9

(a) Excludes institutionalised persons and persons permanently unable to work.

TABLE 5. LEAVERS : TIME OF LEAVING, MAY 1980 ('000)

Time of leaving	Persons aged 15-19 years			Persons aged 15-25 years		
	Males	Females	Persons	Males	Females	Persons
January-June 1979	13.5	12.5	26.0	18.2	16.6	34.8
July-October 1979	11.9	14.1	26.1	14.3	16.3	30.7
November 1979	49.1	46.4	95.5	64.5	62.3	126.8
December 1979 (a)	51.7	37.3	89.0	58.9	44.6	103.5
Total	126.2	110.3	236.5	155.9	139.9	295.8

(a) Includes a small number of persons who left school, university, etc. in early 1980.

TABLE 6. LEAVERS : AGE AT TIME OF LEAVING, MAY 1980
(^{'000})

Age at time of leaving (years)	Attended school in 1979			Attended any educational institution (a) in 1979		
	Males	Females	Persons	Males	Females	Persons
14 and under	*	*	4.8	*	*	5.1
15	30.0	24.5	54.5	31.2	25.3	56.5
16	41.3	28.0	69.4	45.7	36.8	82.4
17	23.4	21.6	45.0	27.7	28.0	55.7
18	10.0	7.3	17.3	17.1	15.0	32.1
19	*	*	*	5.6	6.5	12.1
20 to 25	*	*	*	26.3	25.6	51.8
Total	108.1	85.0	193.1	155.9	139.9	295.8

(a) Includes schools.

TABLE 7. LEAVERS : EMPLOYMENT STATUS AND BIRTHPLACE, MAY 1980

State	Employment status				Total leavers			
	Employed (^{'000})	Unemployed (^{'000})	Total in the labour force (^{'000})	Not in the labour force (^{'000})	Aged 15-19 years (^{'000})	Aged 20-25 years (^{'000})	Total	
							Number (^{'000})	Participation rate (a) (per cent)
MALES								
New South Wales	43.9	9.2	53.1	*	45.5	9.3	54.8	96.7
Victoria	33.8	6.3	40.1	*	31.5	9.1	40.6	98.8
Queensland	22.2	3.5	25.6	*	22.5	4.0	26.5	96.6
South Australia	9.2	2.7	12.0	*	10.8	*	12.6	94.7
Western Australia	10.3	*	12.1	*	9.2	3.1	12.3	98.5
Tasmania	3.7	*	4.8	*	4.0	*	4.9	96.7
Australian Capital Territory	2.1	*	2.4	*	*	*	2.7	90.7
Australia (b)	126.3	25.1	151.5	4.5	126.2	29.7	155.9	97.1
Born in Australia	108.1	21.2	129.3	*	108.8	23.3	132.1	97.9
Born outside Australia	18.2	*	22.2	*	17.4	6.4	23.8	93.0
FEMALES								
New South Wales	32.6	9.5	42.2	4.6	37.8	9.0	46.8	90.1
Victoria	28.1	6.8	34.9	*	26.5	9.1	35.6	98.1
Queensland	17.5	4.9	22.5	*	19.5	4.4	23.9	93.9
South Australia	7.5	4.5	12.0	*	10.1	2.5	12.6	95.1
Western Australia	9.4	2.5	11.9	*	10.4	2.8	13.2	90.4
Tasmania	2.4	1.5	3.9	*	3.4	*	4.1	94.7
Australian Capital Territory	2.5	*	2.8	*	2.0	*	2.9	96.3
Australia (b)	100.9	30.0	130.8	9.1	110.3	29.6	139.9	93.5
Born in Australia	88.3	24.9	113.3	6.8	96.1	24.0	120.1	94.3
Born outside Australia	12.6	5.0	17.6	*	14.2	5.6	19.8	88.7
PERSONS								
New South Wales	76.5	18.7	95.2	6.4	83.3	18.3	101.6	93.7
Victoria	61.9	13.1	75.0	*	58.0	18.2	76.2	98.5
Queensland	39.7	8.4	48.1	*	42.0	8.5	50.5	95.3
South Australia	16.8	7.2	24.0	*	20.9	4.4	25.3	94.9
Western Australia	19.7	4.3	24.0	*	19.6	5.9	25.5	94.3
Tasmania	6.2	2.5	8.7	*	7.4	1.6	9.0	95.8
Australian Capital Territory	4.6	*	5.2	*	3.6	2.0	5.6	93.6
Australia (b)	227.2	55.1	282.3	13.5	236.5	59.3	295.8	95.4
Born in Australia	196.4	46.1	242.5	9.6	204.8	47.3	252.2	96.2
Born outside Australia	30.8	8.9	39.7	*	31.7	12.0	43.6	91.0

(a) Leavers in the labour force as a percentage of total leavers. (b) Includes the Northern Territory.

TABLE 8. EMPLOYED LEAVERS : INDUSTRY, MAY 1980
(’000)

Industry division	Attended school in 1979			Attended any educational institution (a) in 1979		
	Males	Females	Persons	Males	Females	Persons
Agriculture, forestry, fishing and hunting	8.1	*	9.1	10.0	*	12.2
Manufacturing	29.3	4.5	33.9	37.7	6.8	44.5
Construction	8.7	*	9.3	14.0	*	15.1
Wholesale and retail trade	21.8	24.8	46.6	27.2	31.3	58.4
Transport, storage and communication	*	*	*	*	*	6.1
Finance, property and business services	4.9	9.1	14.1	9.6	19.0	28.6
Community services (b)	*	7.4	8.6	7.8	21.6	29.5
Recreation, personal and other services	*	6.7	10.6	6.3	10.1	16.4
Other (c)	4.5	*	7.4	9.9	6.6	16.5
Total	85.6	58.1	143.8	126.3	100.9	227.2
Full-time workers	80.7	50.7	131.3	118.2	87.9	206.1
Part-time workers	5.0	7.4	12.4	8.1	12.9	21.1

(a) Includes schools. (b) Comprises health, education, libraries, etc.; welfare and religious institutions; and other community services. (c) Comprises mining; electricity, gas and water; and public administration and defence (civilians only).

TABLE 9. EMPLOYED LEAVERS : OCCUPATION, MAY 1980
(’000)

Occupation group	Attended school in 1979			Attended any educational institution (a) in 1979		
	Males	Females	Persons	Males	Females	Persons
Professional and technical	*	*	5.4	13.3	17.9	31.2
Administrative, executive, managerial and clerical	9.0	24.6	33.5	14.8	42.9	57.8
Sales	6.8	15.5	22.3	8.7	18.1	26.9
Farmers, fishermen, timber getters, etc.	9.6	*	10.6	11.9	*	14.1
Transport and communication	*	*	*	*	*	*
Tradesmen, production - process workers, labourers (n.e.c.) and miners, etc.	52.9	5.0	57.9	68.7	6.3	75.0
Service, sport and recreation	4.8	9.1	13.9	8.0	13.4	21.5
Total	85.6	58.1	143.8	126.3	100.9	227.2

(a) Includes schools.

TABLE 10. PERSONS AGED 15 TO 25 YEARS IN MAY 1980 (a) WHO HAD CEASED FULL-TIME STUDY :
EMPLOYMENT STATUS IN MAY 1980 AND YEAR IN WHICH CEASED FULL-TIME STUDY

Year in which ceased full-time study	Employment status in 1980				Total		
	Employed (^{'000})	Unemployed (^{'000})	Total in the labour force (^{'000})	Not in the labour force (^{'000})	Number (^{'000})	Unemployment rate (per cent)	Participation rate (per cent)
MALES							
Before 1970	14.8	*	16.7	*	16.9	*	98.8
1970	34.9	*	39.1	*	41.1	*	95.1
1971	46.2	*	49.8	*	51.0	*	97.6
1972	72.6	5.1	77.7	*	79.3	6.6	98.0
1973	74.9	7.8	82.7	*	85.7	9.4	96.5
1974	90.2	8.9	99.1	*	101.5	9.0	97.6
1975	94.5	9.6	104.0	*	106.4	9.2	97.7
1976	110.9	10.1	121.0	*	122.8	8.3	98.5
1977	104.1	13.5	117.6	*	120.1	11.5	97.9
1978	128.3	13.2	141.5	*	145.1	9.3	97.5
1979 and early 1980	126.3	25.1	151.5	4.5	155.9	16.6	97.1
Total	897.5	103.0	1,000.5	25.4	1,025.9	10.3	97.5
FEMALES							
Before 1970	8.1	*	9.4	10.7	20.1	*	46.8
1970	20.6	*	23.7	26.6	50.4	*	47.0
1971	28.9	*	31.8	29.0	60.8	*	52.3
1972	54.6	5.5	60.1	33.5	93.5	9.2	64.3
1973	55.4	*	59.4	23.2	82.6	*	71.9
1974	60.4	7.9	68.4	28.1	96.5	11.5	70.9
1975	71.9	7.9	79.8	23.0	102.8	9.9	77.6
1976	82.2	11.2	93.4	20.1	113.4	12.0	82.4
1977	100.4	12.4	112.8	14.7	127.5	11.0	88.5
1978	101.9	16.3	118.3	11.0	129.3	13.8	91.5
1979 and early 1980	100.9	30.0	130.8	9.1	139.9	22.9	93.5
Total	685.4	102.4	787.7	229.1	1,016.8	13.0	77.5
PERSONS							
Before 1970	22.9	*	26.1	10.9	37.0	*	70.5
1970	55.5	7.3	62.8	28.7	91.5	11.6	68.6
1971	75.1	6.4	81.6	30.2	111.8	7.8	73.0
1972	127.2	10.6	137.7	35.2	172.9	7.7	79.6
1973	130.3	11.8	142.1	26.2	168.3	8.3	84.4
1974	150.6	16.8	167.4	30.6	198.0	10.0	84.5
1975	166.4	17.4	183.8	25.4	209.2	9.5	87.9
1976	193.1	21.3	214.4	21.8	236.2	9.9	90.8
1977	204.5	25.9	230.4	17.3	247.6	11.2	93.1
1978	230.2	29.5	259.8	14.7	274.4	11.4	94.7
1979 and early 1980	227.2	55.1	282.3	13.5	295.8	19.5	95.4
Total	1,582.9	205.3	1,788.2	254.5	2,042.8	11.5	87.5

(a) Excluding institutionalised persons and persons permanently unable to work.

TABLE 11. PERSONS AGED 15 TO 25 YEARS (a) : FULL-TIME ATTENDANCE OR NON-ATTENDANCE
AT AN EDUCATIONAL INSTITUTION, 1973 TO 1980

	Attended an educational institution full time in the previous year (b)				Did not attend an educational institution full time in the previous year (b) (<i>'000</i>)	In hospitals, etc. (c) (<i>'000</i>)	Total (<i>'000</i>)
	Leavers (<i>'000</i>)	Non-leavers		Total (<i>'000</i>)			
		(<i>'000</i>)	Per cent of total				
MALES							
Feb. — 1973	114.8	281.0	71.0	395.9	719.2	15.6	1,130.7
1974	119.4	283.3	70.3	402.7	722.7	12.1	1,137.5
May — 1975	123.1	316.0	72.0	439.2	726.0	12.5	1,177.7
1976	137.1	316.8	69.8	453.9	729.2	13.4	1,196.4
Aug. — 1977	118.1	368.4	75.7	486.5	828.3	15.2	1,330.0
1978	133.0	379.7	74.1	512.6	839.5	12.3	1,364.4
May — 1979	157.7	315.7	66.7	473.4	888.2	12.9	1,374.5
1980	155.9	324.7	67.6	480.6	894.1	8.2	1,382.9
FEMALES							
Feb. — 1973	103.7	245.2	70.3	348.9	750.2	8.3	1,107.3
1974	109.9	246.9	69.2	356.8	753.7	*	1,114.3
May — 1975	115.3	283.6	71.1	398.9	748.0	4.3	1,151.2
1976	120.1	292.3	70.9	412.4	745.9	4.3	1,162.5
Aug. — 1977	108.9	359.3	76.7	468.1	827.0	7.3	1,302.4
1978	123.1	358.9	74.5	482.0	856.4	*	1,342.6
May — 1979	130.7	322.3	71.1	453.0	890.4	5.3	1,348.7
1980	139.9	308.8	68.8	448.7	896.5	*	1,348.2
PERSONS							
Feb. — 1973	218.5	526.2	70.7	744.7	1,469.4	23.9	2,238.0
1974	229.4	530.2	69.8	759.6	1,476.5	15.8	2,251.8
May — 1975	238.4	599.6	71.5	838.1	1,474.0	16.8	2,328.9
1976	257.2	609.0	70.3	866.3	1,475.0	17.6	2,358.9
Aug. — 1977	226.9	727.7	76.2	954.6	1,655.2	22.6	2,632.4
1978	256.0	738.6	74.3	994.7	1,695.9	16.4	2,707.1
May — 1979	288.4	638.0	68.9	926.4	1,778.6	18.2	2,723.1
1980	295.8	633.5	68.2	929.3	1,790.6	11.2	2,731.1

(a) Aged 15 to 24 years for surveys up to May 1976. (b) See note (a) to Table 1. (c) See note (b) to Table 1.

NOTE. See Explanatory Notes, paragraphs 6 and 7, regarding comparability of series.

TECHNICAL NOTE

Estimation procedure

The estimates are derived from the population survey by use of a complex ratio estimation procedure, which ensures that the estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

Reliability of the estimates

2. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimate.

3. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given below. These figures will not give a precise measure of the standard error of a particular estimate since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics. However, they will provide an indication of the magnitude of the standard error. An example of the calculation and use of standard errors is as follows: the estimated number of persons aged 15 to 25 years in May 1980 who attended an educational institution full time in 1980 was 929,300 (Table 1). From the table below it can be calculated that the estimate has a standard error of about 8,800 and therefore there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall within the range 920,500 to 938,100 and about nineteen chances in twenty that it will fall within the range 911,700 to 946,900.

4. The reliability of an estimated percentage or rate, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. For small percentages the relative standard error of the percentage is approximated by the relative standard error of the numerator, which may be obtained from the table below. For other percentages the relative standard error will be lower than that of the numerator.

5. As the standard errors in the table below show *the smaller the estimate the higher is the relative standard error*. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, estimates less than the lowest levels shown in the table below have not been published. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

6. Published figures may also be used to estimate the difference between two survey estimates (of numbers or percentages). Such a figure is itself an estimate and is therefore subject to sampling error. The sampling error of the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate standard error (SE) of the difference between two estimates ($x - y$) may be calculated by the following formula:

$$SE(x - y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}$$

While this formula will only be exact for differences between separate and uncorrelated characteristics or sub-populations it is expected to provide a good approximation for all differences likely to be of interest in this publication.

An example of the use of the above formula is as follows: The difference between the estimates of male and female leavers who attended school in 1979 (Table 1) is 23,100 (108,100 - 85,000). The standard error of this estimate may be calculated as follows: From the table below, the standard errors of the two original estimates can be approximated as 4,000 and 3,600 respectively. Therefore the standard error of the difference (23,100) is:

$$\sqrt{(4,000)^2 + (3,600)^2} \text{ or } 5,400$$

(rounded to the nearest 100). Thus there are about two chances in three that the difference that would have been obtained if all dwellings had been included in the survey is within the range 17,700 to 28,500 and about nineteen chances in twenty that it is between 12,300 and 33,900.

7. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

STANDARD ERRORS OF ESTIMATES (a)

Size of estimate	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia	
									Relative standard error (per cent)	
— number —										
1,500						300				
2,000						340	470	440		
2,500				510	510	380	510	480		
3,000				550	560	410	550	510		
3,500			740	590	590	430	590	540		
4,000			780	620	630	460	620	560		
4,500	1,000	1,000	820	650	660	480	650	590	970	21.6
5,000	1,100	1,100	860	680	690	500	680	610	1,000	20.0
6,000	1,200	1,200	930	730	750	530	740	650	1,100	18.0
10,000	1,500	1,400	1,200	900	920	640	910	750	1,400	14.0
20,000	2,000	1,900	1,500	1,200	1,200	810	1,200	910	2,000	10.0
50,000	3,000	2,700	2,200	1,600	1,700	1,100	1,700	1,100	2,900	5.8
100,000	3,900	3,500	2,800	2,100	2,100	1,300		1,300	3,900	3.9
200,000	5,000	4,400	3,600	2,600	2,600	1,500			5,100	2.6
300,000	5,800	5,000	4,100	2,900	2,900				6,000	2.0
500,000	6,900	5,800	4,800	3,300	3,300				7,200	1.4
1,000,000	8,500	7,000	5,900						9,100	0.9
2,000,000	10,000	8,400							11,000	0.6
5,000,000									15,000	0.3

(a) Estimates below the levels indicated have not been published. See paragraph 5.